Claims in Current Form

U.S. Patent Application No. 09/587,302

1. (Previously Presented) A method of controlling software components in a processing system having plural nodes, comprising:

receiving a request to start the processing system;

launching a start routine in a first one of the nodes in response to the request; the start routine causing one or more services to be invoked in each of the nodes;

determining one or more selected software components to start in each of the nodes; and

the services starting the selected software components in each of the nodes of the processing system.

2. (Previously Presented) The method of claim 1, wherein causing the services to be invoked comprises causing WINDOWS® services to be invoked.

3. (Previously Presented) The method of claim 2, further comprising invoking the services with a WINDOWS® service control manager module.

4. (Canceled)

5. (Previously Presented) The method of claim 1, wherein starting the selected software components comprises starting software components defined as WINDOWS® services.

6. (Canceled)

7. (Previously Presented) The method of claim 1, further comprising running an instance of a manager module in each of the nodes, the instance of the manager module in each of the nodes responsive to the start routine to invoke the services.

8. (Canceled)

9. (Previously Presented) The method of claim 1, wherein the first one of the nodes is a master node, wherein launching the start routine is performed in the master node.

10. (Previously Presented) The method of claim 7, further comprising the start routine communicating requests to manager module instances in each of the nodes to start corresponding services.

11. (Previously Presented) The method of claim 1, wherein causing the services to be invoked comprises causing one service to be invoked for each software component.

12. (Canceled)

13. (Previously Presented) A database system comprising:
a plurality of nodes;
software components executable in the plurality of nodes, the software components comprising a query coordinator in each of the plurality of nodes to process database queries;

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a manager module executable in the database system to invoke services in the plurality of nodes to control starting of the software components; and

a start procedure executable in a first one of the plurality of nodes to invoke the services in the plurality of nodes through the manager module.

14. (Previously Presented) The database system of claim 13, wherein the manager module comprises plural instances executable on the plurality of nodes.

15. (Previously Presented) The database system of claim 13, wherein the manager module comprises a WINDOWS® service control manager.

16. (Previously Presented) The database system of claim 13, wherein the services comprise WINDOWS® services.

17. (Canceled)

18. (Canceled)

19. (Previously Presented) The database system of claim 13, wherein the start procedure comprises a start service and a program invokable by the start service.

20. (Previously Presented) A database system comprising:

a plurality of nodes;

database software components executable in the plurality of nodes; and

a manager module in each of the plurality of nodes executable to control the database software components in the plurality of nodes and to enable a monitoring

module to monitor statuses of the database software components in the plurality of nodes.

21. (Previously Presented) An article comprising one or more machine-readable storage media containing instructions that when executed cause a database system having plural nodes to:

receive a command to start database software components in the plural nodes; launch a start routine in a first one of the plural nodes in response to the command;

issue requests, from the start routine, to the plural nodes; and

in response to the requests, invoke services in the plural nodes to start the database software components.

22. (Canceled)

23. (Previously Presented) The method of claim 1, wherein the processing system comprises a parallel database system, and wherein the selected software components comprises database software components.

24. (Previously Presented) The method of claim 23, wherein starting the database software components comprises starting a query coordinator in each of the nodes to process database queries.

25. (Currently Amended) The method of claim 23, wherein starting the database software components comprises starting a data server in each of the nodes to control access of data in storage in the parallel database system.

26. (Previously Presented) The method of claim 1, wherein each a the services monitors a status of a corresponding one of the selected software components.

27. (Previously Presented) The method of claim 1, wherein each of the services monitors for termination of a corresponding one of the selected software components.

28. (Previously Presented) The database system of claim 13, further comprising a storage, wherein the software components further comprise a data server in each of the plurality of nodes to control access to data in the storage.

29. (Previously Presented) The database system of claim 13, wherein each of the services is adapted to monitor for termination of a corresponding query coordinator.

30. (Previously Presented) The database system of claim 13, wherein the start procedure is adapted to be invoked in response to a request to start a database application.

31. (Previously Presented) The article of claim 21, wherein the command to start the database software components comprises a command to start a query coordinator to process database queries and a data server to control access of data in storage in each of the plural nodes.

32. (Previously Presented) The article of claim 21, wherein the instructions when executed cause the database system to cause each of the services to monitor for termination of a corresponding one of the database software components.

33. (Previously Presented) A database system comprising:

a plurality of nodes;

database software components executable in the plurality of nodes; and

a start procedure executable in a first one of the plurality of nodes to invoke services in each of the plurality of nodes, and

wherein the services are executable to start the database software components.

34. (Previously Presented) The database system of claim 33, further comprising a storage, wherein the database software components comprise a query coordinator in each of the plurality of nodes to process database queries, and a data server in each of the plurality of nodes to control access of the storage.

35. (Previously Presented) The database system of claim 33 wherein one service is invoked in each of the plurality of nodes for each of the database software components in the node.